

## Laboratory Diagnosed Mycobacterial Infections in Wisconsin during April 2006

Mycobacterium species		Brown	Dane	Eau Claire	Kenosha	La Crosse	Marathon	Milwaukee	Outagamie	Racine	Rock	Waukesha	Winnebago	Wood	TOTALS
<i>M. tuberculosis</i> complex	Pulm	1				1	4								6
	Extra	1					2								3
<b>Total <i>M. tuberculosis</i> complex</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>
<i>M. avium</i> complex	Pulm	1	2		1	1		49	2		2	1	7	3	69
	Extra		1					3					1		5
<i>M. gordonae</i>	Pulm	5	3	1		1		12		1			2		25
	Extra														0
<i>M. abscessus</i>	Pulm													1	1
	Extra														0
<i>M. chelonae</i>	Pulm							1			1				2
	Extra														0
<i>M. fortuitum</i> group	Pulm	1						3	1				1	2	8
	Extra							2					1		3
<i>M. kansasii</i>	Pulm								1						1
	Extra														0
<i>M. marinum</i>	Pulm														0
	Extra							1					1		2
<i>M. mucogenicum</i>	Pulm								1						1
	Extra														0
<i>M. xenopi</i>	Pulm		1					3							4
	Extra														0
<i>M. terrae</i> complex	Extra		1												1
<i>M. chelonae-abscessus</i>	Extra					1									1
<i>M. bovis</i> BCG	Extra							1							1
<b>TOTALS</b>		<b>7</b>	<b>8</b>	<b>1</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>76</b>	<b>4</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>11</b>	<b>8</b>	<b>124</b>

### Extra-Pulmonary Sources of Isolation

Mycobacterium species	Extra-pulmonary Site of Isolation
<i>M. tuberculosis</i> complex	1 pleural, 1 ( <i>bovis</i> ) hip, 1 submandibular
<i>M. avium</i> complex	2 stool, 1 neck mass, 1 urine, 1 blood
other <i>Mycobacterium</i> species	<i>bovis</i> BCG: 1 urine; <i>chelonae-abscessus</i> : 1 ulcer; <i>fortuitum</i> group: 1 gastric, 1 lymph node, 1 G-tube stoma; <i>marinum</i> : 1 arm, 1 elbow; <i>terrae</i> complex: 1 finger

Antibiotic Susceptibilities: TB First-Line Drugs tested (7 new *M. tuberculosis* isolates from Wisconsin and two from Illinois) isoniazid=INH (0.2 ug/ml and 1.0 ug/ml), rifampin (1.0 ug/ml), ethambutol (5.0 ug/ml), pyrazinamide=PZA (100 ug/ml)

Drug Resistance	Number of Isolates
Susceptible to all first-line drugs	5
Resistant to INH (0.2 ug/ml) only	
Resistant to both INH concentrations	
Resistant to rifampin only	
Resistant to ethambutol only	
Resistant to PZA, PZA indeterminant, or PZA pending	2
Multi-drug resistant	1
susceptibility testing pending	1*
<b>TOTAL</b>	<b>9</b>

(\*) Multi-drug resistant isolate was resistant to INH, ethambutol and rifampin and susceptible to PZA.

Source: Mycobacteriology Laboratory Network Data Report, Wisconsin State Laboratory of Hygiene, Madison, WI